

### **REMARKS**

Please reconsider the application in view of the above amendments and the following remarks. Applicant thanks the Examiner for carefully considering this application.

#### **Drawings**

Applicant respectfully requests that the Examiner accepts the drawings submitted on February 28, 2005. Applicant submits that these drawings are formal.

#### **Disposition of Claims**

Claims 1-13 were pending in this application. By way of this reply, claims 1-13 have been amended, and new claims 14-19 have been added. Thus, claims 1-19 are currently pending. Claims 1, 14, and 15 are independent. The remaining claims depend, directly or indirectly, from claims 1, 14, and 15.

#### **Claim Amendments**

Claims 1-13 have been amended to correct minor informalities and to clarify the invention recited. No new matter has been added by way of these amendments.

New claims 14-19 have been amended to recite features disclosed in, for example, Figs. 6, 8, 10, 12, and 14 and the associated text in the original application. No new matter has been added by way of these amendments.

#### **Rejections under 35 U.S.C. § 102**

Claims 1-3, 5, and 10-11 stand rejected under 35 U.S.C. 102(b) as being anticipated by JP 2001-307506 ("Hisashi"). To the extent that this rejection may still apply to the amended claims, this rejection is respectfully traversed.

The present invention as recited in independent claim 1 is directed to a light emitting device, which contains a plurality of light emitting elements *monolithically* formed and connected in series. Monolithically, as used in this application, means the plurality of light emitting elements are formed on the same substrate. (Specification, p. 3, lines 25-27). The plurality of the light emitting elements are connected in series to form two groups on the substrate. In accordance with embodiments of the invention, the two groups of the light

emitting elements may have simple geometric shapes (*e.g.*, square or triangle) that can be arranged on the substrate to make efficient use of the area on a substrate.

To anticipate a claim, the prior art reference must teach each and every limitation of the claim. For reasons set forth below, Hisashi cannot anticipate claim 1 as amended.

Hisashi discloses white light sources for lighting equipment. In order to use LED lighting equipment with a common power source (100 V or higher), it is necessary to connect a large number of LED in series. Hisashi teaches that it is undesirable to have a large number of light emitting elements on a single chip (*i.e.*, substrate). *See, e.g.*, paragraph [0010]. Instead, it teaches the use of a limited number (12 or less) of light emitting elements on a chip. Hisashi then teaches the use of several chips in series and in two groups to provide the desired resistance and light output. Thus, the two groups of light emitting elements of Hisashi are formed with several chips (paragraph [0017]); they are not formed monolithically on a substrate and grouped into two groups on a single substrate, as required by the amended claim 1.

Because Hisashi fails to teach or suggest at least one limitation of claim 1, independent claim 1 is patentable over Hisashi. Dependent claims 2-3, 5, and 10-11 are patentable for at least the same reasons. Accordingly, withdrawal of this rejection is respectfully requested.

### **Rejections under 35 U.S.C. § 103**

#### *Claim 4*

Claim 4 stands rejected under 35 U.S.C. 103(a) as being unpatentable over Hisashi in view of U.S. Patent No. 5,986,324 (“Adlerstein”). To the extent that this rejection may still apply to the amended claim 4, this rejection is respectfully traversed.

As noted above, Hisashi fails to teach or suggests at least one limitation of the amended claim 1, *i.e.*, a plurality of light emitting elements formed on a substrate in a monolithic manner and grouped in two groups on the substrate. Adlerstein fails to provide that which is missing in Hisashi, as evidenced by the fact that Adlerstein is relied upon by the Examiner to provide the teaching of an air bridge. Therefore, a combination of Hisashi and Adlerstein cannot teach or suggest all limitations of independent claim 1. Claim 4 depends

from claim 1 and, therefore, is also patentable over Hisashi in view of Alderstein for at least the same reasons. Accordingly, withdrawal of this rejection is respectfully requested.

Claims 6-9

Claims 6-9 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Hisashi. To the extent that this rejection may still apply to the amended claims 6-9, this rejection is respectfully traversed.

As noted above, Hisashi fails to teach or suggest at least one limitation of the amended claim 1, *i.e.*, a plurality of light emitting elements formed on a substrate in a monolithic manner and grouped in two groups on the substrate. Claims 6-9 depend from claim 1 and, therefore, are also patentable over Hisashi for at least the same reasons. Accordingly, withdrawal of this rejection is respectfully requested.

Claims 12-13

Claims 12-13 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Hisashi in view of U.S. Patent No. 6,194,743 ("Kondoh"). To the extent that this rejection may still apply to the amended claims 12-13, this rejection is respectfully traversed.

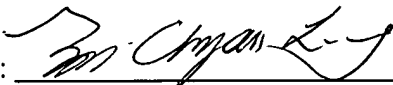
Kondoh teaches a light emitting device containing a *single* light emitting element. Kondoh fails to teach or suggest that which is missing in Hisashi, as evidenced by the fact that Kondoh is only used by the Examiner to supply an electrode for an alternate current power supply. Thus, a combination of Hisashi and Kondoh cannot teach or suggest all limitations of the amended claim 1. Therefore, claim 1 is patentable over Hisashi in view of Kondoh. Dependent claims 12-13 are patentable for at least the same reasons. Accordingly, withdrawal of these rejections is respectfully requested.

**Conclusion**

Applicant believes this reply is fully responsive to all outstanding issues and places this application in condition for allowance. If this belief is incorrect, or other issues arise, the Examiner is encouraged to contact the undersigned or his associates at the telephone number listed below. Please apply any charges not covered, or any credits, to Deposit Account 50-0591 (Reference Number 08228/073001).

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